## AMENDMENTS TO THE CLAIMS

Please add or amend the claims to read as follows, and cancel without prejudice or disclaimer to resubmission in a divisional or continuation application claims indicated as cancelled:

1-23. **(Cancelled)**

24. **(Currently Amended)** A method for displaying an in vivo image stream, said method comprising:

displaying a plurality of frames from the in vivo image stream substantially simultaneously;

assigning a score to each of the plurality of frames based on a predetermined criterion ~~criteria~~; and

positioning the frames in a spatial order based on the score assigned thereto.

25. **(Previously Presented)** The method according to claim 24 comprising displaying the in vivo image stream as a multi-frame image stream.

26. **(Previously Presented)** The method according to claim 24 comprising adjusting a rate at which the multi-frame image stream is displayed based on the content of the frames.

27. **(Currently Amended)** The method according to claim 24 wherein the ~~predetermined criteria includes~~ score is assigned based on a degree of variation of the displayed images as compared to a reference image.

28. **(Currently Amended)** The method according to claim 24 wherein the ~~predetermined criteria includes~~ score is assigned based on a degree of color variation between the displayed images.

29. – 30. **(Cancelled)**

31. (**Currently Amended**) The method according to claim [[29]] 24 comprising adjusting the size of at least one of the frames displayed based on the assigned scores.

32. (**Previously Presented**) The method according to claim 24 wherein the in vivo image stream includes frames captured from more than one image sensor.

33. (**Currently Amended**) The method according to claim 24 comprising displaying sensor data from a sensor other than an image sensor substantially simultaneously [[with]] as the frames from the in vivo image stream.

34. (**Currently Amended**) A system for displaying an in vivo image stream, the system comprising:

an in vivo imaging device to transmit an in vivo image stream;

a processor to generate a multi-frame image stream from the in vivo image stream, to assign a score to each of a plurality of frames to be displayed substantially simultaneously based on a predetermined criterion ~~criteria~~ and to determine a spatial position of frames in the multi-frame image stream based on the score assigned thereto; and

a display to display said multi-frame image stream.

35. (**Previously Presented**) The system of claim 34 wherein the in vivo imaging device is an autonomous capsule.

36. (**Previously Presented**) The system of claim 34 comprising a pH sensor.

37. (**Currently Amended**) The system of claim 34 wherein the ~~predetermined criteria includes~~ score is assigned based on data detected by a sensor ~~reading~~.

38. (**Previously Presented**) The system of claim 34 wherein the processor is to adjust the stream rate of the multi-frame image stream.

39. **(Currently Amended)** A method for displaying an in vivo image stream, the method comprising:

selecting a plurality of frames from an in vivo image stream;

assigning a score to each of the plurality of frames based on a criterion of interest;

positioning the plurality of frames in an order based on ~~a criteria of interest~~ the score assigned thereto; and

displaying the plurality of frames substantially simultaneously.

40. **(Previously Presented)** The method according to claim 39 comprising comparing a frame from the plurality of frames to a reference image.

41. **(Cancelled)**

42. **(Currently Amended)** The method according to claim 39 ~~comprising displaying~~ wherein at least two of the plurality of frames [[in]] are displayed having different ~~sizes substantially simultaneously~~.

43. **(Currently Amended)** The method according to claim 39 wherein the ~~criteria of interest is~~ score is assigned based on color variation between the plurality of frames.

44. **(New)** The method according to claim 27 wherein the reference image represents healthy tissue and wherein images having a high degree of variation with respect to the reference image are displayed to represent pathologies.